

# ZINGAGLOSS

Zingagloss is a one pack moisture curing polyurethane paint. Zingagloss gives a high gloss finish in most RAL colours with good adhesion. It combines good colour and gloss retention with high abrasion and impact resistance, dirt repellent properties, and high resistance to chemicals. Zingagloss is recommended as a finish coloured topcoat in a ZINGA system.

## PHYSICAL DATA AND TECHNICAL INFORMATION

### WET PRODUCT

Components	Coloured pigments, depending on the colour. Light-stable organic and/or anorganic pigments.
Binder	Moisture curing aliphatic polyisocyanate prepolymers
Density	1,00-1,40 kg/dm <sup>3</sup> depending on colour
Solid content	- 52-56% by volume depending on colour - 58-65% by weight depending on colour
Type of thinner	Thinner 41 (preferably) or Zingasolv
Viscosity	80-90" CF4 at 20°C depending on colour
VOC	< 400 g/L (= 334 g/Kg)

### DRY FILM

Colour	Most RAL colours.
Gloss	Minimum 90% Gardner 60°. High Gloss Grade, Level 7: High Gloss (MPI)

### PACKING

1 L	Available
4 L	Available
10 L	Available

### CONSERVATION

Pot life	± 5 hours at 20°C
Shelf life	Minimum 2 years in the original, unopened package.
Storage	Store in a dry environment at temperatures between -20°C and +40°C.

## CONDITIONS

### SURFACE PREPARATION

When the waiting time between the successive coats is abnormally prolonged or in extremely polluted areas, the Zingatised surface can become contaminated. All contaminations that hamper the adhesion of the paint should be removed by appropriate means. Salt deposits or other water-soluble contaminations should be removed with water and brush, water under high pressure or steam. Possible white rust on ZINGA should be removed with water and rigid nylon brush.

### ENVIRONMENTAL CONDITIONS DURING APPLICATION

Ambient temperature	- Minimum 0°C - Maximum 35°C
Relative humidity	- Minimum 30% - Maximum 98% - Do not apply on a damp or wet surface
Surface temperature	- Minimum 3°C above the dew point - No visual presence of water or ice

## APPLICATION INSTRUCTIONS

### GENERAL

Application methods	Zingagloss can be applied on top of ZINGA by brush and roller, conventional spray-gun or airless spraying.
Stripe coat	It is always recommended to treat corners, sharp edges, bolts and nuts before applying a uniform coat.
Cleaning	Cleaning of equipment with Thinner 41 or Zingasolv.

### APPLICATION BY BRUSH AND ROLLER

Dilution	0 to 5% (v%) with Thinner 41 (or Zingasolv)
Roller	Application with a short-haired mohair roller coater. Special attention to obtain adequate layer thickness is required to avoid blisters and/or craters.

### APPLICATION BY CONVENTIONAL SPRAY-GUN

Dilution	5 to 20% (v%) with Thinner 41 (or Zingasolv)
Pressure at the nozzle	3 to 4 bar
Nozzle opening	1,2 to 1,6 mm

### APPLICATION BY AIRLESS SPRAY

Dilution	0 to 10% (v%) with Thinner 41 (or Zingasolv)
Pressure at the nozzle	120 to 180 bar
Nozzle opening	0,011 to 0,015 inch

## APPLICATION ON ZINGA

Mist (tie) coat	20-30 µm DFT, diluted 10-15%
Full coat	2 hours after touch dry, DFT no more than 70-80 µm per layer

## OTHER INFORMATION

### COVERAGE AND CONSUMPTION

Theoretical coverage	- For 60 µm DFT: 9,00 m <sup>2</sup> /L - For 80 µm DFT: 6,75 m <sup>2</sup> /L
Theoretical consumption	- For 60 µm DFT: 0,11 L/m <sup>2</sup> - For 80 µm DFT: 0,15 L/m <sup>2</sup>
Practical coverage and consumption	Depends upon the roughness profile of the substrate and the application method.

### DRYING PROCESS AND OVERCOATING

Drying time	For 60 µm DFT at relative humidity of 75%: - 10°C: Dustdry: 4 hours Tackfree: 10 hours Dry: 16 hours Full Resistance: 7 days - 20°C: Dustdry: 2 hours Tackfree: 5 hours Dry: 10 hours Full Resistance: 4 days - 30°C: Dustdry: 1 hour Tackfree: 3 hours Dry: 6 hours Full Resistance: 3 days
Overcoating	For 60 µm DFT at relative humidity of 75%: - 10°C: Minimum: 16 hours Maximum: 5 days - 20°C: Minimum: 12 hours Maximum: 3 days - 30°C: Minimum: 8 hours Maximum: 2 days Remark: At longer intervals a good cleaning is necessary to avoid intermediate coat contamination which could disturb the adherence of the next coat.

**RECOMMENDED SYSTEM**

ZINGA duplex system	Zingagloss can be applied directly onto ZINGA (apply with mist/full coat technique). <ul style="list-style-type: none"><li>• ZINGA 1 x 60-80 µm DFT + Zingagloss 1 x 60-80 µm DFT</li></ul>
ZINGA triplex system	For optimal gloss and extra barrier protection, a triplex system (with sealer) is recommended. <ul style="list-style-type: none"><li>• ZINGA 1 x 60-80 µm DFT + Zingagloss 1 x 80 µm DFT + Zingagloss 1 x 60-80 µm DFT</li><li>• ZINGA 1 x 60-80 µm DFT + Zingaceram HS 1 x 80 µm DFT + Zingagloss 1 x 60-80 µm DFT</li></ul>

For more specific and detailed recommendations concerning the application of Zingagloss, please contact the Zingametall representative.

For detailed information about the health and safety hazards and precautions for use, refer to the Zingagloss safety data sheet.